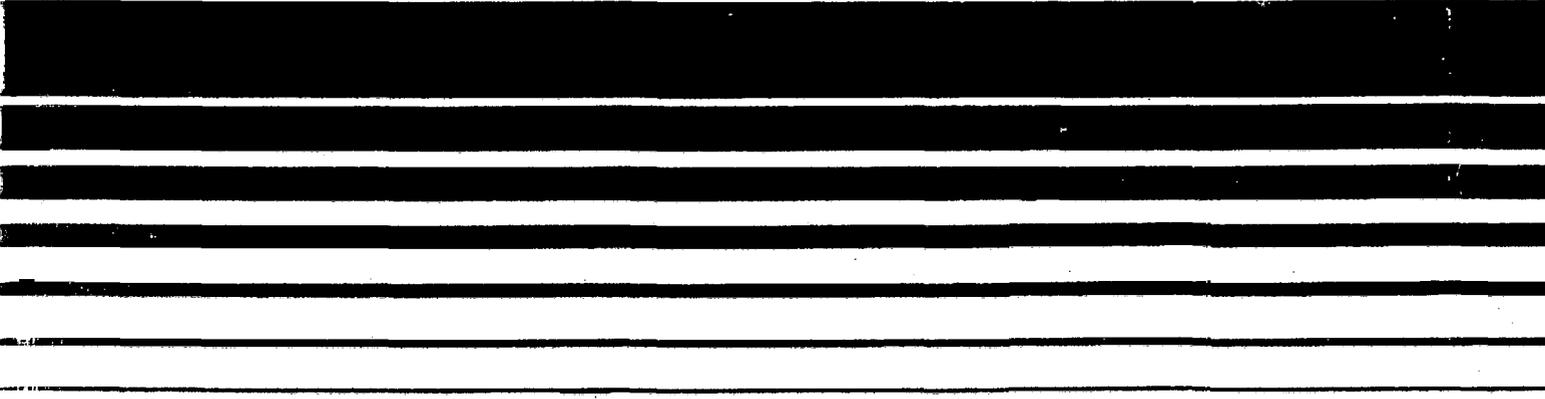


Air



# Comparison of Indian Lands to Air Quality Nonattainment Areas



COMPARISON OF INDIAN LANDS  
TO  
AIR QUALITY NONATTAINMENT AREAS

PREPARED BY  
THE OFFICE OF PROGRAM MANAGEMENT OPERATIONS  
OFFICE OF AIR AND RADIATION

1989

## Foreword

The U.S. Environmental Protection Agency's Indian Policy promotes a cooperative effort with tribes to protect and improve the environment in Indian country. In support of this effort, the Office of Air and Radiation (OAR) has prepared a preliminary identification of potential air quality problems on Indian lands. This report provides information that compares existing Indian lands to counties that are designated "nonattainment" for one or more of the six air pollutants for which National Ambient Air Quality Standards (NAAQSs) have been set. These pollutants are particulate matter (PM<sub>10</sub>), sulfur dioxide (SO<sub>2</sub>), ozone (O<sub>3</sub>), carbon monoxide (CO), lead (Pb) and nitrogen oxides (NO<sub>x</sub>). These nonattainment designations include areas that have had a State Implementation Plan (SIP) "call" for O<sub>3</sub>, CO and SO<sub>2</sub> as of November 1989.

The information used in this report was obtained from the Indian Health Service (IHS) and OAR's Office of Air Quality Planning and Standards (OAQPS). These comparisons were reviewed and confirmed by the EPA Indian coordinators, the Air Divisions in EPA's 10 Regional Offices and OAQPS.

The information contained in this report represents a "snapshot" of potential air quality problems on Indian reservations. The report is a snapshot in the sense that it represents the information available at a particular point in time - the fall of 1989. As with any such information, the data are continually changing. In addition, this report is a snapshot, rather than a detailed portrait, in that it generally does not reflect actual air quality monitoring on Indian lands. Without air quality monitoring, EPA would not be able to definitively determine whether the Indian lands listed in this report are in attainment of NAAQSs or are nonattainment. For example, many of the nonattainment counties in which there are Indian lands, and therefore listed in this report, may in fact have a localized air pollution problem that would not adversely affect Indian land air quality.

The report does, however, provide EPA and tribal officials with an overall assessment of where tribal air quality planning and management activities should be directed. We hope that the results of this report will assist in the ongoing efforts of EPA and many Indian tribes across the country in taking action to improve air quality on Indian lands.

## Summary

This report has been prepared as a general reference document for EPA managers concerned with environmental quality on Indian lands. As previously noted in the foreword, the information contained in this report is dynamic and, consequently, this report represents only a nationwide "snapshot" of air quality in Indian country. The following summary and conclusions are intended to put the report's information in a broad national context.

This report lists a total of 323 Indian tribes. Of that number, 127 tribes, or approximately 40 percent, are located in counties that are nonattainment for one or more NAAQSs. When each of the six pollutants is counted separately, there are a total of 819 instances of nonattainment across the country. Of this total, 276 instances of nonattainment, or approximately 34 percent, are for counties in which there are Indian lands.

Region 9 dominates the instances of nonattainment identified in this report. The Region contains some 43 percent of the nation's Indian tribes and accounts for some 58 percent of all the tribes located in nonattainment counties. The next closest Region in its overall percentages is Region 6 with some 21 percent of all tribes and approximately 19 percent of the tribes in nonattainment counties. Region 10 has approximately 11 percent of the tribes and 6 percent of the tribes in nonattainment counties. Taken together, the three western Regions of 6, 9 and 10 account for three-quarters of all Indian tribes and some 83 percent of all tribes located in nonattainment counties.

In contrast to the numerical dominance by these three regions, all of the seven remaining regions individually account for under 4 percent of the tribes in nonattainment counties. Region 7 has no tribes in nonattainment counties. Overall, the east coast (Regions 1, 2, 3 and 4) has very few tribes (a total of 19) and even fewer tribes in nonattainment counties (12 tribes).

California has both the largest number of tribes and the largest number of tribes located in nonattainment counties. Information compiled by IHS and EPA shows a total of 101 Indian tribes in California, of which 56 tribes are in nonattainment counties. The state with the second largest number of tribes in nonattainment counties is also in Region 9 - Arizona. Arizona has 20 tribes, with 10 tribes located in nonattainment counties.

In California, some of the air quality problems, such as  $O_3$ , that may potentially affect the state's relatively small Indian reservations and rancherias can be regionwide in scope and may not be a result of pollution on Indian lands. Conversely, some air quality problems, such as CO, are usually local in nature. In those cases, only a portion of a county may be nonattainment. Indian lands may not be contributing to, or affected by, the localized nonattainment problems. Whether the nonattainment problems are regionwide or area-specific, potentially affected tribes should work closely with state and local air quality management agencies to determine if air monitoring or other actions should be undertaken.

The information in this report shows that three pollutants are the most pervasive within the counties containing Indian lands: CO,  $O_3$  and  $PM_{10}$ . These three pollutants represent approximately 86 percent of the total potential air pollution problems affecting Indian country. As mentioned above, CO is usually a very localized nonattainment problem and very well may not be a result of sources on Indian lands. The same caution also applies to  $O_3$  nonattainment where sources for volatile organic compounds (VOCs) may be located on non-Indian lands. These factors would tend to indicate that these overall nonattainment data for Indian lands, and for the individual pollutants, represent a "worst case" scenario for Indian country. It should be noted that county nonattainment data obtained from OAQPS listed Total Suspended Particulates (TSP) rather than  $PM_{10}$ . The county designations for  $PM_{10}$  were obtained from the 10 EPA Regional Offices. Nationally, the statistics show that CO accounts for 33 percent,  $O_3$  for 29 percent,  $PM_{10}$  for 23 percent,  $SO_2$  for 8 percent and  $NO_x$  for 7 percent of the instances of nonattainment. All Indian lands are in counties that meet the NAAQS for lead.

The following comparisons are listed by EPA Region and by state. Both state subtotals and regional totals are provided for each NAAQS for each county in which an Indian tribe is located. For example, the Mashantucket Pequot Tribe in Connecticut is located in New London which is nonattainment for both  $O_3$  and CO. Two instances of nonattainment are shown for the tribe in both the state subtotal and regional total.

Comparison of Indian Boundaries to Nonattainment Areas By Counties

Tribe/County	Pollutant						Total	
	PM10	SO2	O3	CO	Pb	NOX	State	Region
Region 1								
State: Connecticut								
Mashantucket Peguot Tribe of Conn. New London Co.			X	X				
Subtotal			1	1			2	2
State: Maine								
Houlton Band of Maliseet Indians of Maine Aroostook Co.	X							
Passamaquoddy Tribe* Washington Co.								
Penobscot Tribe Penobscot Co.		X						
Subtotal	1	1					2	4
State: Massachusetts								
Gay-Head Wampanoag Dukes Co.			X	X				
Subtotal			1	1			2	6
State: Rhode Island								
Narragansett Indian Tribe Newport Co.			X					
Washington Co.			X					
Subtotal			2				2	8
Total Region 1:								
No. of Tribes in Region								6
No. of Tribes in Nonattainment Counties								5
No. of Nonattainment Pollutants by County in Region 1								75
No. of Nonattainment Pollutants on Indian Lands by County								8

\* Includes 2 reservations

Note: The original information for PM10 was based upon nonattainment designations for TSP as determined by OAQPS. Regional office reviews modified these designations to reflect PM10 attainment or nonattainment.

Comparison of Indian Boundaries to Nonattainment Areas By Counties

Tribe/County	Pollutant							Total	
	PM10	S02	O3	CO	Pb	NOX	State	Region	
Region 2									
State: New York									
Cayuga Nation									
Seneca Co.									
Oneida Nation									
Oneida Co.									
Madison Co.				X					
Onondaga Nation									
Onondaga Co.				X					
Seneca Nation									
Allegany Co.									
Cattaraugus Co.									
Chautagua Co.									
Erie Co.			X						
St. Regis Band of Mohawk Indians									
Franklin Co.									
Tonawanda Band of Seneca Indians									
Allegany Co.									
Tuscarora Nation of New York									
Niagara Co.			X						
Subtotal			2	2			4	4	
Total Region 2:									
No. of Tribes in Region								7	
No. of Tribes in Nonattainment Counties								4	
No. of Nonattainment Pollutants by County in Region 2								72	
No. of Nonattainment Pollutants on Indian Lands by County								4	

Note: The original information for PM10 was based upon nonattainment designations for TSP as determined by OAQPS. Regional office reviews modified these designations to reflect PM10 attainment or nonattainment.

Comparison of Indian Boundaries to Nonattainment Areas By Counties

Tribe/County	Pollutant						Total	
	PM10	S02	O3	CO	Pb	NOX	State	Region
Region 3								
State: Pennsylvania								
Seneca Nation								
Warren Co.		X	X					
Subtotal		1	1				2	2
Total Region 3:								
No. of Tribes in Region								1
No. of Tribes in Nonattainment Counties								1
No. of Nonattainment Pollutants by County in Region 3								99
No. of Nonattainment Pollutants on Indian Lands by County								2

Note: The original information for PM10 was based upon nonattainment designations for TSP as determined by OAQPS. Regional office reviews modified these designations to reflect PM10 attainment or nonattainment.



Comparison of Indian Boundaries to Nonattainment Areas By Counties

Tribe/County	Pollutant						Total	
	PM10	SO2	O3	CO	Pb	NOX	State	Region
State: North Carolina								
Eastern Band of Cherokee Indians								
Cherokee Co.								
-----								
Graham Co.								
-----								
Jackson Co.								
-----								
Swain Co.								
-----								
Subtotal								
-----								
Total Region 4:								
No. of Tribes in Region *								5
-----								
No. of Tribes in Nonattainment Counties *								2
-----								
No. of Nonattainment Pollutants by County in Region 4								76
-----								
No. of Nonattainment Pollutants on Indian Lands by County								2
-----								

\* Counts tribe only once, even if tribe is in more than one state

Note: The original information for PM10 was based upon nonattainment designations for TSP as determined by OAQPS. Regional office reviews modified these designations to reflect PM10 attainment or nonattainment.

Comparison of Indian Boundaries to Nonattainment Areas By Counties

Tribe/County	Pollutant						Total	
	PM10	SO2	O3	CO	Pb	NOX	State	Region
Region 5								
State: Michigan								
Bay Mills Indian Community, Bay Mills Reservation Chippewa Co.								
Grand Traverse Band of Ottawa and Chippewa Indians of Michigan Antrim Co.								
Benzie Co.								
Grand Traverse Co.								
Leelanau Co.								
Manistee Co.								
Hannahville Potawatomi Indian Community Delta Co.								
Menominee Co.								
Keweenaw Bay Chippewa Indian Community Baraga Co.								
Gogebic Co.								
Ontonagon Co.								
Lac Vieux Desert Gogebic Co.								
Saginaw Chippewa Tribe of the Isabella Reservation Arenac Co.								
Isabella Co.								
Missaukee Co.								
Sault Ste. Marie Chippewa tribe Alger Co.								
Chippewa Co.								
Delta Co.								
Luce Co.								







Comparison of Indian Boundaries to Nonattainment Areas By Counties

Tribe/County	Pollutant							Total	
	PM10	SO2	O3	CO	Pb	NOX	State	Region	
Douglas Co.				X					
Polk Co.									
Stockbridge-Munsee Mohican Indian Community Shawano Co.									
Winnebago Tribe Adams Co.									
Clark Co.									
Columbia Co.									
Crawford Co.									
Eau Claire Co.									
Jackson Co.									
Juneau Co.									
La Crosse Co.									
Marathon Co.		X							
Monroe Co.									
Sauk Co.									
Vernon Co.									
Wood Co.									
<b>Subtotal</b>		3		1			4	8	
<b>Total Region 5:</b>									
No. of Tribes in Region *								29	
No. of Tribes in Nonattainment Counties *								5	
No. of Nonattainment Pollutants by County in Region 5								244	
No. of Nonattainment Pollutants on Indian Lands by County								8	

\* Counts tribe only once, even if tribe is in more than one state

Note: The original information for PM10 was based upon nonattainment designations for TSP as determined by OAQPS. Regional office reviews modified these designations to reflect PM10 attainment or nonattainment.

Comparison of Indian Boundaries to Nonattainment Areas By Counties

Tribe/County	Pollutant						Total	
	PM10	SO2	O3	CO	Pb	NOX	State	Region
=====								
Region 6								
State: Louisiana								
Chitimacha								
St. Mary Parish			X					
-----								
Coushatta Tribe								
Allen Parish								
-----								
Tunica-Biloxi Indian Tribe								
Avoyelles Parish								
-----								
Rapides Parish								
-----								
Subtotal			1				1	1
-----								
State: New Mexico								
Acoma Pueblo								
Cibola Co.								
-----								
Alamo, Navajo Reservation								
Socorro Co.								
-----								
Canoncito, Navajo Reservation								
Bernalillo Co.				X				
-----								
Civola Co.								
-----								
Sandoval Co.								
-----								
Valencia Co.								
-----								
Cochiti Pueblo								
Sandoval Co.								
-----								
Isleta Pueblo								
Bernalillo Co.				X				
-----								
Torrance Co.								
-----								
Valencia Co.								
-----								
Jemez Pueblo								
Sandoval Co.								
-----								
Jicarilla Apache Tribe, Jicarilla								
Apache Indian Reservation								
Rio Arriba Co.								
-----								
Sandoval Co.								
-----								



Comparison of Indian Boundaries to Nonattainment Areas By Counties

Tribe/County	Pollutant						Total	
	PM10	SO2	O3	CO	Pb	NOX	State	Region
Santa Clara Pueblo Rio Arriba Co.								
Sandoval Co.								
Santa Fe Co.								
Santa Domingo Pueblo Sandoval Co.								
Santa Fe Co.								
Taos Pueblo Taos Co.								
Tesuque Pueblo Santa Fe Co.								
Ute Mountain Tribe, Mountain La Plata Reservation San Juan Co.								
Zia Pueblo Sandoval Co.								
Zuni Pueblo McKinley Co.								
Valencia Co.								
Subtotal				4			4	5
State: Oklahoma Apache Tribe Caddo Co.								
Absentee-Shawnee Tribe Cleveland Co.				X				
Lincoln Co.								
Payne Co.								
Potawatomi Co.				X				
Alabama- Quassarte Creek Tribal Town (part of Creek of Oklahoma) Creek Co.			X					











Comparison of Indian Boundaries to Nonattainment Areas By Counties

Tribe/County	Pollutant							Total	
	PM10	SO2	O3	CO	Pb	NOX	State	Region	
Nowata Co.									
Ottawa Co.									
Rogers Co.			X						
Sequoyah Co.									
Tulsa Co.			X						
Washington Co.									
Wichita Tribe									
Caddo Co.									
Canadian Co.				X					
Grady Co.									
Wyandotte Tribe									
Tulsa Co.			X						
<b>Subtotal</b>			14	14			28	33	
State: Texas									
Alabama and Coushatta Tribe of Texas									
Polk Co.									
Kickapoo Tribe									
Maverick Co.									
Ysleta del San Pueblo									
El Paso Co.	X		X	X					
<b>Subtotal</b>	1		1	1			3	36	
<b>Total Region 6:</b>									
No. of Tribes in Region								67	
No. of Tribes in Nonattainment Counties								24	
No. of Nonattainment Pollutants by County in Region 6								43	
No. of Nonattainment Pollutants on Indian Lands by County								36	

Note: The original information for PM10 was based upon nonattainment designations for TSP as determined by OAQPS. Regional office reviews modified these designations to reflect PM10 attainment or nonattainment.

Comparison of Indian Boundaries to Nonattainment Areas By Counties

Tribe/County	Pollutant						Total	
	PM10	SO2	O3	CO	Pb	NOX	State	Region
=====								
Region 7								
State: Iowa								
Sac and Fox Tribe of the Mississippi Tama Co.								
-----								
Winnebago Tribe, Winnebago Res. Woodbury Co.								
-----								
Subtotal								
-----								
State: Kansas								
Iowa Tribe Brown Co.								
-----								
Doniphan Co.								
-----								
Kickapoo Tribe Brown Co.								
-----								
Prairie Band of Potawatomi Indians Jackson Co.								
-----								
Sac and Fox Tribe of the Missouri in Kansas Brown Co.								
-----								
Subtotal								
-----								
State: Nebraska								
Iowa Tribe Richardson Co.								
-----								
Omaha Tribe of Nebraska Cuming Co.								
-----								
Thurston Co.								
-----								
Sac and Fox Tribe of the Missouri in Kansas Richardson Co.								
-----								
Santee Sioux Tribe, Santee Res. Knox Co.								
-----								
Winnebago Tribe, Winnebago Res. Thurston Co.								
-----								
Subtotal								
-----								

Tribe/County	Pollutant						Total	
	PM10	S02	O3	CO	Pb	NOX	State	Region
=====								
Total Region 7:								
No. of Tribes in Region *								8
-----								
No. of Tribes in Nonattainment Counties *								0
-----								
No. of Nonattainment Pollutants by County in Region 7								12
-----								
No. of Nonattainment Pollutants on Indian Lands by County								0
-----								

\* Counts tribe only once, even if tribe is in more than one state

Note: The original information for PM10 was based upon nonattainment designations for TSP as determined by OAQPS. Regional office reviews modified these designations to reflect PM10 attainment or nonattainment.

Tribe/County	Pollutant						Total	
	PM10	SO2	O3	CO	Pb	NOX	State	Region
Region 8								
State: Colorado								
Southern Ute Tribe, Southern Ute Reservation								
Archuleta Co.	X							
-----								
La Plata Co.								
-----								
Montezuma Co.								
-----								
Ute Mountain Tribe, Mountain La Plata Reservation								
Montezuma Co.								
-----								
Subtotal	1						1	1
-----								
State: Montana								
Assiniboine and Sioux Tribes of the Fort Peck Reservation								
Daniels Co.								
-----								
Roosevelt Co.								
-----								
Sheridan Co.								
-----								
Valley Co.								
-----								
Blackfeet Tribe, Blackfeet Res.								
Glacier Co.								
-----								
Pondera Co.								
-----								
Chippewa-Cree Tribe of the Rocky Boy Reservation								
Chouteau Co.								
-----								
Hill Co.								
-----								
Confederated Salish and Kootenai Tribes of the Flathead Reservation								
Lake Co.	X							
-----								
Missoula Co.	X			X				
-----								
Sanders Co.								
-----								
Crow Tribe of Montana								
Big Horn Co.								
-----								
Yellowstone Co.		X						
-----								





Comparison of Indian Boundaries to Nonattainment Areas By Counties

Tribe/County	Pollutant						Total	
	PM10	SO2	O3	CO	Pb	NOX	State	Region
Roberts Co.								
Standing Rock Sioux Tribe, Standing Rock Reservation Corson Co.								
Yankton Sioux Tribe Charles Mix Co.								
Subtotal								
State: Utah								
Confederated Tribes of the Goshute Reservation Juan Co.								
Navajo Tribe San Juan Co.								
Paiute Indian Tribe of Utah Iron Co.								
Millard Co.								
Sevier Co.								
Washington Co.								
Skull Valley Band of Goshute Indians Tooele Co.		X						
Ute Indian Tribe of the Uintah and Ouray Reservation Duchesne Co.								
Grand Co.								
Uintah Co.								
Wasatch Co.								
Ute Mountain Tribe, Mountain La Plata Reservation San Juan Co.								
Subtotal		1					1	8

Tribe/County	Pollutant						Total	
	PM10	S02	O3	CO	Pb	NOX	State	Region
=====								
State: Wyoming								
Shoshone and Arapahoe tribes, tribe of the Wind river Reservation Fremont Co.								
-----								
Hot Springs Co.								
-----								
Subtotal								
-----								
Total Region 8:								
No. of Tribes in Region *								27
-----								
No. of Tribes in Nonattainment Counties *								5
-----								
No. of Nonattainment Pollutants by County in Region 8								52
-----								
No. of Nonattainment Pollutants on Indian Lands by County								8
-----								

\* Counts tribe only once, even if tribe is in more than one state

Note: The original information for PM10 was based upon nonattainment designations for TSP as determined by OAQPS. Regional office reviews modified these designations to reflect PM10 attainment or nonattainment.

Comparison of Indian Boundaries to Nonattainment Areas by Counties

Tribe/County	Pollutant						Total	
	PM10	SO2	O3	CO	Pb	NOX	State	Region
Region 9								
State: Arizona								
Ak Chin Indian Community, Maricopa, Ak Chin Res. (part of Gila River) Pinal Co.	X	X						
Cocopah Tribe (includes Quechan Tribe of the Ft. Yuma Reservation) Yuma Co.	X							
Colorado River Tribes of the Colo. River Indian Res. Coconino Co.								
Mohave Co.								
La Paz Co.								
Fort McDowell, Mohave-Apache Indian Community, Fort McDowell Indian Res. Maricopa Co.	X		X	X				
Fort Mojave Tribe Mohave Co.								
Gila River Indian Community, Gila River Reservation Maricopa Co.	X		X	X				
Pinal Co.	X	X						
Havasupai Tribe, Havasupai Res. Coconino Co.								
Hopi Tribe Coconino Co.								
Navajo Co.								
Hualapai Tribe, Hualapai Res. Coconino Co.								
Mohave Co.								
Yavapai Co.								
Kaibab Band of Paiute Indians, Kaibab Indian Res. Coconino Co.								
Mohave Co.								

Comparison of Indian Boundaries to Nonattainment Areas by Counties

Tribe/County	Pollutant						Total	
	PM10	SO2	O3	CO	Pb	NOX	State	Region
Navajo Tribe Coconino Co.								
Apache Co.								
Navajo Co.								
Tohono O'Odham Tribe Maricopa Co.	X		X	X				
Pima Co.	X	X		X				
Pinal Co.	X	X						
Pascua Yaqui Tribe Pima Co.	X	X		X				
Quechan Tribe of the Fort Yuma Indian Res. Yuma Co.								
Salt River Pima-Maricopa Indian Community, Salt River Res. Maricopa Co.	X		X	X				
San Carlos Apache Tribe, San Carlos Res. Gila Co.	X	X						
Graham Co.								
Pinal Co.	X	X						
Tonto Apache Tribe of Arizona Gila Co.	X	X						
White Mountain Apache Tribe, Fort Apache Res. Apache Co.								
Gila Co.	X	X						
Navajo Co.								
Yavapai-Apache Indian Community, Camp Verde Reservation Yavapai Co.								
Yavapai-Prescott Tribe, Yavapai Res. Yavapai Co.								
Subtotal	14	9	4	6			33	33

Comparison of Indian Boundaries to Nonattainment Areas by Counties

Tribe/County	Pollutant						Total	
	PM10	SO2	O3	CO	Pb	NOX	State	Region
=====								
State: California								
Alturas Rancheria of Pit River Indians Modoc Co.								
-----								
Aqua-Caliente Band of Cahuilla Indians (Palm Springs), Aqua-Caliente Indian Reservation Riverside Co.	X		X	X		X		
-----								
Augustine Band of Cahuilla Mission Indians, Augustine Reservation Riverside Co.	X		X	X		X		
-----								
Barona Capitan Grande Band of Diegueno Mission Indians, Barona Res. San Diego Co.			X	X				
-----								
Berry Creek Rancheria of Maidu Indians Butte Co.			X	X				
-----								
Big Bend Rancheria of Pit River Indians Shasta Co.								
-----								
Big Lagoon Rancheria of Smith River Indians Humboldt Co.								
-----								
Big Pine Band of Owens Valley Paiute Shoshone Indians, Big Pine Res. Inyo Co.	X							
-----								
Big Sandy Rancheria Fresno Co.	X		X	X				
-----								
Big Valley Rancheria Mendocino Co.								
-----								
Bishop Colony - Paiute Shoshone Indians Inyo Co.	X							
-----								
Blue Lake Rancheria Humboldt Co.								
-----								
Bridgeport Paiute Indian Colony Mono Co.	X							
-----								





Comparison of Indian Boundaries to Nonattainment Areas by Counties

Tribe/County	Pollutant						Total	
	PM10	SO2	O3	CO	Pb	NOX	State	Region
Hoopa Valley Tribe of the Hoopa Valley Reservation Humboldt Co.								
Hopland Band of Pomo Indians, Hopland Rancheria Mendocino Co.								
Inaja and Cosmit Reservation (Diegueno Indians) San Diego Co.			X	X				
Jackson Rancheria of Me-Wuk Indians Amador Co.								
Jamul Indian Village of California San Diego Co.			X	X				
Karok Tribe of California Siskiyou Co.								
Kashia Band of Pomo Indians of Stewarts Sonoma Co.			X	X				
La Jolla Band of Luiseno Mission Indians, La Jolla Reservation San Diego Co.			X	X				
La Posta Band of Diegueno Mission Indians, La Posta Reservation San Diego Co.			X	X				
Lone Pine Reservation Inyo Co.	X							
Lookout Rancheria of Pit River Indians Modoc Co.								
Los Coyotes Band of Cahuilla Mission Indians, Los Coyotes Reservation San Diego Co.			X	X				
Manchester Band of Pomo Indians, Manchester-Pt. Arena Rancheria Mendocino Co.								
Manzanita Band of Diegueno Mission Indians, Manzanita Reservation San Diego Co.			X	X				

Tribe/County	Pollutant						Total	
	PM10	SO2	O3	CO	Pb	NOX	State	Region
Mesa Grande Band of Diegueno Mission Indians, Mesa Grande Reservation San Diego Co.			X	X				
Middletown Rancheria of Pomo Indians Lake Co.								
Montgomery Creek Rancheria of Pit River Indians Shasta Co.								
Mooretown Rancheria Butte Co.			X	X				
Morongo Band of Cahuilla Mission Indians, Morongo Reservation Riverside Co.	X		X	X		X		
Northfolk Rancheria Madera Co.			X					
Pala Band of Luiseno Mission Indians Pala Reservation San Diego Co.			X	X				
Pauma Band of Luiseno Mission Indians, Pauma and Tuima Res. San Diego Co.			X	X				
Pechanga Band of Luiseno Mission Indians, Pechanga Res. Riverside Co.	X		X	X		X		
Picayune Rancheria Madera Co.			X					
Pinoleville Rancheria Mendocino Co.								
Pit River Tribe, X-L Ranch Res. Modoc Co.								
Potter Valley Rancheria Mendocino Co.								
Quartz Valley Rancheria Siskiyou Co.								
Quechan Tribe of the Fort Yuma Indian Res. Imperial Co.	X		X					
Ramona Reservation Riverside Co.	X		X	X		X		

Comparison of Indian Boundaries to Nonattainment Areas by Counties

Tribe/County	Pollutant						Total	
	PM10	SO2	O3	CO	Pb	NOX	State	Region
Redding Rancheria Shasta Co.								
Redwood Valley Rancheria Mendocino Co.								
Resighini Rancheria, Coast Indian Community of Yurok Indians Del Norte Co.								
Rincon Band of Luiseno Mission Indians, Rincon Reservation San Diego Co.			X	X				
Roaring Creek Rancheria of Pit River Indians Shasta Co.								
Robinson Rancheria of Pomo Indians, California Lake Co.								
Rohnerville Rancheria Humboldt Co.								
Rumsey Rancheria of Wintun Indians Yolo Co.			X	X				
San Manuel Band of Serrano Mission Indians, San Manuel Res. San Bernardino Co.	X		X	X		X		
San Pasqual Band of Diegueno Indians San Pasqual Reservation San Diego Co.			X	X				
Santa Rosa Band of Cahuilla Mission Indians, Santa Rosa Res. Riverside Co.	X		X	X		X		
Santa Rosa Indian Community, Santa Rosa Rancheria Riverside Co.	X		X	X		X		
Santa Ynez Band of Chumash Mission Indians, Santa Ynez Res. Santa Barbara Co.			X					
Santa Ysabel Band of Diegueno Mission Indians, Santa Ysabel Res. San Diego Co.			X	X				

Tribe/County	Pollutant						Total	
	PM10	SO2	O3	CO	Pb	NOX	State	Region
Sheep Ranch Rancheria of Me-Wuk Indians Calaveras Co.								
Sherwood Valley Rancheria of Pomo Indians Mendocino Co.								
Shingle Springs Rancheria (Verona Tract) of Me-Wuk Indians, CA. El Dorado Co.			X	X				
Smith River Del Norte Co.								
Soboba Band of Luiseno Mission Indians, Soboba Reservation Riverside Co.	X		X	X		X		
Susanville Rancheria of Paiute, Maidu, Pit River and Washoe Indians Lassen Co.								
Sycuan Band of Diegueno Mission Indians, Sycuan Reservation San Diego Co.			X	X				
Table Bluff Rancheria Wiyot Indians of California Humboldt Co.								
Table Mountain Rancheria of CA. Fresno Co.	X		X	X				
Torres-Martinez Band of Cahuilla Mission Indians, Torres-Martinez Reservation Imperial Co.	X		X					
Riverside Co.	X		X	X		X		
Tule River Tribe, Tule River Res. Tulare Co.	X		X					
Tuolumne Band of Me-Wuk Indians, Tuolumne Rancheria Tuolumne Co.								
Twenty-Nine Palms Band of Luiseno Mission Indians, 29 Palms Res. San Bernardino Co.	X		X	X		X		



Comparison of Indian Boundaries to Nonattainment Areas by Counties

Tribe/County	Pollutant						Total	
	PM10	S02	O3	CO	Pb	NOX	State	Region
Pyramid Lake Paiute Tribe, Pyramid Lake Reservation Washoe Co.	X			X				
Reno-Sparks Indian Colony Washoe Co.	X			X				
Shoshone-Paiute Tribe of the Duck Valley Reservation Elko Co.								
Summit Lake Paiute Tribe, Summit Lake Reservation Humboldt Co.								
Te-Moak Bands of Western Shoshone Indians: Battle Mountain, Elko, South Fork Lander Co.								
Elko Co.								
Walker River Paiute Tribe, Walker River Reservation Churchill Co.								
Lyon Co.								
Mineral Co.								
Washoe Tribe of Nevada and Calif. (Carson Colony, Dresslerville and Washoe Ranches) Douglas Co.				X				
Winnemucca Indian Colony Humboldt Co.								
Yerington Paiute Tribe (Campbell Ranch) Lyon Co.								
Yomba Shoshone Tribe of the Yomba Reservation Lander Co.								
Subtotal	5	2		6			13	187

Tribe/County	Pollutant						Total	
	PM10	SO2	O3	CO	Pb	NOX	State	Region
=====								
Total Region 9:								
No. of Tribes in Region *								138
-----								
No. of Tribes in Nonattainment Counties *								73
-----								
No. of Nonattainment Pollutants by County in Region 9								108
-----								
No. of Nonattainment Pollutants on Indian Lands by County +								187
-----								

\* Counts tribe only once, even if tribe is in more than one state  
 + Total reflects multiple number of tribes in same counties

Note: The original information for PM10 was based upon nonattainment designations for TSP as determined by OAQPS. Regional office reviews modified these designations to reflect PM10 attainment or nonattainment.

Tribe/County	Pollutant						Total	
	PM10	SO2	O3	CO	Pb	NOX	State	Region
=====								
Region 10								
State: Idaho								
Coeur D'Alene Tribe, Coeur D'Alene Reservation								
Benewah Co.								
-----								
Kootenai Co.								
-----								
Kootenai Tribe, Kootenai Res. Boundary Co.								
-----								
Nez Perce Tribe, Nez Perce Res. Clearwater Co.								
-----								
Idaho Co.								
-----								
Lewis Co.								
-----								
Nez Perce Co.								
-----								
Shoshone-Bannock Tribes of the Fort Hall Reservation								
Bannock Co.	X	X						
-----								
Bingham Co.								
-----								
Caribou Co.								
-----								
Power Co.	X							
-----								
Shoshone-Paiute tribe of the Duck Valley Reservation								
Owyhee Co.								
-----								
Subtotal	2	1					3	3
-----								
State: Oregon								
Burns Paiute Indian Colony								
Harney Co.								
-----								
Confederated Tribes of the Siletz Reservation								
-----								
Lincoln Co.								
-----								
Confederated Tribes of the Umatilla Reservation								
Umatilla Co.								
-----								
Confederated Tribes of the Warm Springs Reservation								
Clackamas Co.			X	X				
-----								





Tribe/County	Pollutant						Total	
	PM10	S02	O3	CO	Pb	NOX	State	Region
Stillaguamish Tribe of Washington, Stillaguamish Res. Snohomish Co.				X				
Suquamish Tribe, Port Madison Res., Washington Kitsap Co.								
Swinomish Indian Tribal Community, Swinomish Reservation Skagit Co.								
Tulalip Tribes of the Tulalip Res. Snohomish Co.				X				
Upper Skagit Tribe of Washington, Upper Skagit Res. Skagit Co.								
Subtotal	7	2		7			16	21
Total Region 10:								
No. of Tribes in Region *								35
No. of Tribes in Nonattainment Counties *								8
No. of Nonattainment Pollutants by County in Region 10								38
No. of Nonattainment Pollutants on Indian Lands by County								21

\* Counts tribe only once, even if tribe is in more than one state

Note: The original information for PM10 was based upon nonattainment designations for TSP as determined by OAQPS. Regional office reviews modified these designations to reflect PM10 attainment or nonattainment.

